

NOVEMBER/DECEMBER 2025

23UEEL42A — PYTHON PROGRAMMING

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions

1. Give two examples of Python keywords.
2. What is a Python expression? Give an example.
3. What is a control statement in Python?
4. Define the break statement with an example.
5. What are keyword arguments?
6. Define recursion. Give a simple example.
7. How can you update a value in a list?
8. What is a test in Python?
9. List two common file modes used in Python.
10. Write down the different types of files in Python.





SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Describe any line built in data type in Python.

Or

- (b) Explain the different types of literals in Python.

12. (a) Explain the use of the if and if-else statements with suitable examples.

Or

- (b) Explain the differences among continue and pass with examples.

13. (a) Describe local and global variable scope with an example.

Or

- (b) Explain string immutability in Python with an example.

14. (a) Describe basic test operations like concatenation, repetition and membership.

Or

- (b) What are the advantages of using tuples over tests?

15. (a) Describe how to get and change the file pointer using tell() and seek().

Or

- (b) Write a program to read a file and print all the words individually using the split() function.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain various operators in Python and illustrate how they are used in expression.

17. Explain iterative statement in Python with example. Include for, while, else in loop and nested loops.

18. Describe all types of function arguments in Python with exam.

19. Discuss the built-in dictionary functions and methods in detail with examples.

20. Explain all the commonly used file handling methods in Python with examples for each :

open(), close(), read(), readlines(), write() and writelines()

